09/463598 (#90225)430 Rec'd T/PTO

CKAPTER II

Preliminary Classification:

165

Proposed Class:

104.19

Subclass:

NOTE: "All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129.' " M.P.E.P., § 601, 7th ed.

## transmittal letter TO THE UNITED STATES ELECTED OFFICE (EO/US)

## (Entry into U.S. National Phase under Chapter III)

INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 22 JANUARY 1999 22 JANUARY 1998 PCT/SE99/00086 TITLE OF INVENTION FROST RESISTANT HEATING/COOLING FLUID APPLICANT(S) STARZMANN, Martin Box PCT Assistant Commissioner for Patents Washington D.C. 20231 attention: Eo/US

> CERTIFICATION UNDER 37 C.F.R. () 1.100 (Express Mail label number is mandatony.) (Express Mail cartification is optional.)

I hereby certify that this Transmittal Letter and the papers indicated as being transmitted therewith is being denosited with the United States Postal Service on this date  $1/\frac{24}{3000}$  in an envelope as deposited with the United States Postal Service on this date  $\frac{1/27}{EJ890584260US}$  "Express Mail Post Office to Addressee" Mailing Label Number \_, in an envelope as addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Christine A. Kotran

(type or print name of person mailing pager)

Signature of person mailing paper

Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot be WARNING: used to obtain a date of mailing or transmission for this correspondence.

°WARNING: Each paper or fee filed by "Express Mail" അയാദ have the number of the "Express Mail" mailing label placed thereon prior to mailing, 37 C.F.R. § 1.10(b).

> "Since the filing of correspondence under § 1.10 without th Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will mot be granted on patition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

> > (Transmittal Letter to the United States Elected Office (EO/US) [13-18]—page 1 of 8)





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- NOTE: To avoid abandonment of the application, the applicant shall furnish to the USPTO, not later than 20 months from the priority date: (1) a copy of the international application, unless it has been previously communicated by the international Bureau or unless it was originally filed in the USPTO; and (2) the basic national fee (see 37 C.F.R. § 1.492(a)). The 30-month time limit may not be extended. 37 C.F.R. § 1.495.
- WARNING: Where the items are those which can be submitted to complete the entry of the international application into the national phase are subsequent to 30 months from the priority date the application is still considered to be in the international state and if mailing procedures are utilized to obtain a date the express mail procedure of 37 C.F.R. § 1.10 must be used (since international application papers are not covered by an ordinary certificate of mailing—See 37 C.F.R. § 1.8.
- NOTE: Documents and feas must be clearly identified as a submission to enter the national state under 35 U.S.C. § 371 otherwise the submission will be considered as being made under 35 U.S.C. § 111. 37 C.F.R. § 1.494(f).
- Applicant herewith submits to the United States Elected Office (EO/US) the following items under 35 U.S.C. § 371:
  - a. XXXX This express request to immediately begin national examination procedures (35 U.S.C. § 371(f)).
  - b. XXXX The U.S. National Fee (35 U.S.C. § 371(c)(1)) and other fees (37 C.F.R. § 1.492) as indicated below:

## 2. Fees

CLAIMS FEE	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULA- TIONS
<del>X</del> X	TOTAL CLAIMS				
		· 12 - <b>20=</b>		× \$18.00=	\$
٢	INDEPENDENT CLAIMS				
		1 -3=		× \$78.00=	
	MULTIPLE DEP	ENDENT CLAIM(8) (If	applicable)	+ \$260.00	
BASIC FEE*	U.S. PTO WAUTHORITY Where an is in § 1.482 is U.S. PTO:    a   a   a   a   a   a   a   a   a				
			Total of abo	ove Calculations	840.00
SMALL ENTITY	Reduction by 1/ must be filed a	- 420.00			
				Subtotal	420.00
			To	tal National Fee	\$ 420.00
	Fee for recording C.F.R. § 1.21(h)				
	COVER SHEET	•	<del></del>	(YES)	40.00
TOTAL	I		Tota	I Fees enclosed	460.00



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°See atta	ched Preliminary Amendment Reducing the Number of Claims.
i	i. $x \times X \times A$ check in the amount of $\frac{$460.00}{}$ to cover the above fees is enclosed.
I	ii. 🗆 Please charge Account No in the amount of \$
	A duplicate copy of this sheet is enclosed.
**WARNING	"To evoid abandonment of the application the applicant shall furnish to the United States Patent and Tradsmark Office not later than the expiration of 30 months from the priority date: °°° (2) the basic national fee (see § 1.492(a)). The 30-month time limit may not be extended." 37 C.F.R, § 1.495(b).
Warning:	If the translation of the international application and/or the oath or declaration have not been submitted by the applicant within thirty (30) months from the priority date, such requirements may be met within a time period set by the Office. 37 C.F.R. § 1.495(b)(2). The payment of the surcharge set forth in § 1.492(e) is required as a condition for accepting the cath or declaration later than thirty (30) months after the priority date. The payment of the processing see set forth in § 1.492(f) is required for acceptance of an English translation later than thirty (30) months after the priority date. Fallure to comply with these requirements will result in abandonment of the application. The provisions of § 1.136 apply to the period which is set. Notice of Jan. 3, 1993, 1147 O.G. 29 to 40.
<b>3°</b> XX <b>IX</b> IXX	A copy of the international application as filed (35 U.S.C. § 371(c)(2)):
apj "Th acc cor das apj not	ction 1.495 (b) was amended to require that the basic national fee and a copy of the international colication must be filed with the Office by 30 months from the priority date to avoid abandonment, no international Bureau normally provides the copy of the international application to the Office in cordance with PCT Article 20. At the same time, the international Bureau notifies applicant of the mmunication to the Office. In accordance with PCT Rule 47.1, that notice shall be accepted by all signated offices as conclusive evidence that the communication has duly taken place. Thus, if the olicant desires to enter the national stage, the applicant normally need only check to be sure the tice from the International Bureau has been received and then pay the basic national fee by 30 months m the priority date. Notice of Jan. 7, 1993, 1147 O.G. 29 to 40, at 35-36. See item 14c below.
1	a.   is transmitted herewith.
	b.   is not required, as the application was filed with the United Stat s  Receiving Office.
	cxxxxxhas been transmitted
	i. xx (X) by the International Bureau.  Date of mailing of the application (from form PCT/1B/308): 1999.
	ii. Dy applicant on(Date).
	A translation of the international application into the English language (35 U.S.C. § 371(c)(2)):
i	a. 🗆 is transmitted herewith.
-	b.XXXX is not required as the application was filed in English.
•	c.   was previously transmitted by applicant on
,	d Dwill follow





<b>5.</b> X∑	£Σk			nents to the claims of the International application under PCT Article 19 .C. § 371(c)(3)):
NOTE	er pi ck su er	nd con nority o so t ubmit n ame	ntinui date will no that s endm	of January 7, 1993 points out that 37 C.F.R. § 1.495(a) was amended to clarify the existing ing practice that PCT Article 19 amendments must be submitted by 30 months from the and this deadline may not be extended. The Notice further advises that: "The failure to ot result in loss of the subject matter of the PCT Article 19 amendments. Applicant may subject matter in a preliminary amendment filed under section 1.121. In many cases, filing ent under section 1.121 is preferable since grammatical or idiomatic errors may be 1147 O.G. 29-40, at 36.
,		a.		are transmitted herewith.
		b.		have been transmitted
			i.	☐ by the International Bureau.  Date of mailing of the amendment (from form PCT/1B/308):
			II.	☐ by applicant on (Date).
		C.X	X <b>X</b> X	have not been transmitted as
			i. X	XXIII applicant chose not to make amendments under PCT Article 19.  Date of mailing of Search Report (from form PCT/ISA/210.): 06 May 1996
			II.	☐ the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 48.1.
<b>8.</b> XX	x <b>Q</b> x			slation of the amendments to the claims under PCT Article 19 S.C. § 371(c)(3)):
		a.		is transmitted herewith.
		b.		is not required as the amendments were made in the English language.
		c.X	XXX	has not been transmitted for reasons indicated at point 5(c) above.
<b>7.</b> X	X <b>XX</b> X	( A (	сору	of the international examination report (PCT/IPEA/409)
٠,		Х	XXX	is transmitted herewith.
				is not required as the application was filed with the United States Receiv-
8.		An	nex(	es) to the international preliminary examination report (None)
		a.		is/are transmitted herewith.
		b.		is/are not required as the application was filed with the United States
8.		A	trans	slation of the annexes to the international preliminary examination report
		a.		is transmitted herewith. (None)
		b.		is not required as the annexes are in the English language.





- 1			
10. <sub>X</sub> √2k		oath or d claration of the inventor (35 U.S.C. § 371(c)(4)) complying U.S.C. § 115	ng with
	a.	☐ was previously submitted by applicant on	(Date).
	<b>b.</b> x	XX 🖾 xis submitted herewith, and such oath or declaration	
		i. XXXX is attached to the application.	
1		ii.   identifies the application and any amendments under PC 19 that were transmitted as stated in points 3(b) or 3(c) and states that they were reviewed by the inventor as required b 37 C.F.R. § 1.70.	5(b); and
	C.	☐ will follow.	
II. Other	docu	ument(s) or information included:	
11. xxx		International Search Report (PCT/ISA/210) or Declaration under CT Article 17(2)(a):	
	<b>a.</b> x	XX <b>XX is transmitted herewith.</b> (Attached to published appln. WO	99/37733)
	b.	☐ has been transmitted by the International Bureau.  Date of mailing (from form PCT/IB/308):	
	C.	☐ is not required, as the application was searched by the Unite International Searching Authority.	d States
	d.	☐ will be transmitted promptly upon request.	
	8.	☐ has been submitted by applicant on(Date	<b>)</b> .
12xx <b>(</b> x)k	x An	Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.5	98:
	a.X	XXXX is transmitted herewith.	
		Also transmitted herewith is/are:	
	Х	XXXX Form PTO-1449 (PTO/SB/08A and 08B).	
	Х	XXXX Copies of citations listed.	
	b.	☐ will be transmitted within THREE MONTHS of the date of substantial of requirements under 35 U.S.C. § 371(c).	omission
	C.	☐ was previously submitted by applicant on	(Date).
1 <b>3</b> .x <b>/X</b> 1x	x <b>An</b>	assignment document is transmitted herewith for recording.	
	A s NY	separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCIVING NEW PATENT APPLICATION" or XXXXFORM PTO 1595 is also a	COMPA- ittached.
		Assignee: Aspen Petroleum AB	
		Sjoportsgatan 2	
		/17 6/ Cotabora Sueden	

C.F.R. § 1.136(a)(3).

14. <sub>X</sub>	kx Additional documents:
	a.xxxxxcopy of request (PCT/RO/101)
	b.XX International Publication No. WO 99/37733
	i. XX Sp cification, claims and drawing
	ii. 🗌 Front page only
	c.XXX Preliminary amendment (37 C.F.R. § 1.121)
	d.xxxx Other
	PCT/IB/308; PCT/IV/332; PCT/IPEA/416
15.XX	XX The above checked items are being transmitted
	a. XXXbefore 30 months from any claimed priority date.
	b.   after 30 months.
	applicant on, namely:
	authorization to charge additional fees
Warni	NG: Accurately count claims, especially multiple dependant claims, to avoid unexpected high charges if extra claims are authorized.
NOTE:	"A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated at a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forti

NOTE: "Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).

The Commissioner is hereby authorized to charge the following additional fees that may be required by this paper and during the entire pendency of this application to Account No.  $\frac{08-2441}{1}$ .

XXXX 37 C.F.R. § 1.492(a)(1), (2), (3), and (4) (filling fees)

WARNING: Because failure to pay the national fee within 30 months without extension (37 C.F.R. § 1.495(b)(2)) results in abandonment of the application, it would be best to always check the above box.

(Transmittal Letter to the United States Elected Office (EO/US) [13-18]—page 7 of 8)

## XXX 37 C.F.R. § 1.492(b), (c) and (d) (presentation of extra claims)

NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims cancelled by amendment prior to the expiration of the time period set for response by the PTO in any notice of fee deficiency (37 C.F.R. § 1.492(d)), it might be best not to authorize the PTO to charge additional claim fees, except possible when dealing with amendments after final action.

XXX 37 C.F.R. § 1.17 (application processing fees)

 $\times \mathbb{Z} \times 37$  C.F.R. § 1.17(a)(1)–(5) (extension fees pursuant to § 1.136(a).

 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the notice of allowance. 37 C.F.R. § 1.311(b).

NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying . . . issue fee." From the wording of 37 C.F.R. § 1.28(b): (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

x X 37 C.F.R. § 1.492(e) and (f) (surcharge fees for filing the declaration and/or filing an English translation of an International Application later than 30 months after the priority date). (None required.)

Reg. No.: 24,603

Tel. No.: ( 216 ) 771-3800

Customer No.: IDONO00367

signature of practitioner

D. Peter Hochberg

(type or print name of practitioner)

D. Peter Hochberg Co., L.P.A.

P.O. Address

1940 E. 6th Street - 6th Floor

Cleveland, OH 44114-2294